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ADDITIONS TO THE MUSEUM.

MAMMALS.

C. R. BIEDERMAN. Skin of Civet Cat (*Bassariscus astutus flavus*), Arizona

J. G. DILLEN. Skin of Brewer's Mole (*Parascalops breweri*), Bucks County, Pa.

HEBARD-ACADEMY EXPEDITION OF 1909. One young Rabbit (*Lepus* sp.), Montana.

MISS DORA KEENE. Skull of Leopard (*Felis pardus*), Burma.

B. W. ORIN. Skull of Woodchuck (*Marmotta monax*), Chester County, Pa.

ROBERT SHEARER. Skull of Horse (*Equus caballus*).

JOHN B. STETSON CO. Skin of Duckbill (*Ornithorhynchus anatinus*).

WITMER STONE. Skull of varying Hare (*Lepus americanus virginianus*), Sullivan County, Pa.

ZOOLOGICAL SOCIETY OF PHILADELPHIA. Specimens prepared as follows: Mounted, Panda (*Ailurus fulgens*), Cape Hunting Dog (*Lycaon pictus*). Skin and skeleton, Red Langur (*Presbytis rubicundus*), Asiatic Tapir (*Tapirus indicus*), Brazilian Ocelot (*Felis chibigouazou*); skin and skull, Fishing Cat (*Felis viverrina*), Senegal Galago (*Galago senegalensis*); skin, Mexican Deer (*Odocoileus* sp.); skeleton, European Lynx (*Lynx lynx*); skull, Arctic Fox (*Vulpes lagopus*).

BIRDS.

MISS ANNA BUSCH. Razor-billed Auk (*Alca torda*), Sea Isle City, N. J.

W. B. CRISPIN. European Starling (*Sturnus vulgaris*), Salem, N. J.

J. W. HOLMAN. Adult Black Duck (*Anas rubripes*) and young (mounted), Tuckerton Bay, N. J.; Black Hawk (*Archibuteo lagopus sancti-johannis*), Stafford's Forge, N. J.

LUTHER D. LOVEKIN. Loon (*Gavia imber*), Wayne, Pa.

JOSHUA PARKER. Dovekie (*Alle alle*), Parkertown, N. J.

MISS WIEGAND. Birds' eggs.

WM. D. WINSOR. Swan (*Olor columbianus*).

ZOOLOGICAL SOCIETY OF PHILADELPHIA. Mounted, single wattled Cassowary (*Casuarius uniappendiculatus*). Skins, spotted Eagle Owl (*Bubo maculosus*), Satin Bower-bird (*Ptilonorhynchus violaceus*); skin and skeleton, Cassowary (*Casuarius casuarius*); skeletons, South African Ostrich (*Struthio australis*), Crowned Hornbill (*Anthracoceros coronatus*).

DELAWARE VALLEY ORNITHOLOGICAL CLUB. Several nests and eggs added to the local collection.

PURCHASED. The Clemens collection of Birds from the Island of Mindanao, P. I.

REPTILES AND BATRACHIANS.

O. H. BROWN. Red Salamander (*Spelerpes ruber*), Cape May, N. J.

J. T. BRYAN. Young Black Snake (*Bascanion constrictor*), Pitman, N. J.

H. W. FOWLER. Musk Turtle (*Kinosternon*) and Toad (*Bufo*), Cape May, N. J.; several collections of reptiles and amphibians, New Jersey and Pennsylvania.

H. W. FOWLER and H. L. MATHER, JR. One Frog (*Rana*), Pitman, N. J.

H. W. FOWLER and H. L. MATHER, JR. Collection of reptiles, Montgomery County, Pa.

JOHN H. GREENWOOD. Painted Turtle (*Chrysemys picta*), Chestertown, Md.

B. W. GRIFFITHS and H. W. FOWLER. Collection of amphibians and reptiles, Atco, N. J.

H. W. HAND and H. W. FOWLER. Collection of reptiles and amphibians, Cape May County, N. J.

GEORGE W. HARPER. DeKay's Snake (*Storeria dekayi*).

HEBARD-ACADEMY EXPEDITION OF 1909. Fifty-nine reptiles and batrachians, Western United States.

J. W. HOLMAN. Three snakes, Stafford's Forge, N. J.

C. J. HUNT. DeKay's Snake (*Storeria dekayi*), Tinicum, Pa., two Dusky Salamanders (*Desmognathus fusca*), Frankford, Pa.

T. D. KEIM. *Diadophis punctatus*, New Jersey.

H. L. MATHER, JR. Garter Snake (*Thamnophis sirtalis*).

DR. H. A. P. NEIL. Water Snake (*Natrix sipedon*), Holmesburg, Pa.

JOSEPH PARKER. Ground Snake (*Carphophiops amoenus*), Stafford's Forge, N. J.

DR. H. A. PILSBRY. Two Salamanders (*Plethodon*) and one Tree Frog (*Hyla pickeringi*), Bartonsville, Pa.; two Speckled Turtles (*Chelopus guttatus*), Swede's Run, N. J.

PURCHASED. Six western Painted Turtles (*Chrysemys marginatus*).

EVAN RHOADS. Ribbon Snake (*Thamnophis saurita*), Sussex County, N. J.

DR. G. S. ROBINSON. Two Snakes (*Lampropeltis doliatus triangulus* and *Thamnophis sirtalis*), Pennsylvania and New Jersey.

MR. W. P. SEAL. Red-bellied Terrapin (*Pseudemys rubriventris*), New Jersey; local Frogs and tropical *Hyla*.

J. F. STREET. Copperhead (*Agkistrodon contortrix*), Frenchtown, N. J.; Sticky Salamander (*Plethodon glutinosus*). Kingwood, N. J.

E. G. VANATTA. *Rana pipieus*, Ocean City, N. J.

ZOOLOGICAL SOCIETY PHILADELPHIA. Mexican Heloderma (*Heloderma horridum*).

R. W. WEHRLE. Several lots of reptiles and amphibians from Indiana and Pennsylvania.

FISHES.

DR. C. C. ABBOTT. Several collections of fishes, Bordentown, N. J.

DR. BELLOWS. Chub (*Semotilus buillaris*), Montgomery County, Pa.

C. H. CONNER. *Seriola zonata*.

W. P. DAVIS. Two *Bufo fowleri*, New York.

H. W. FOWLER. Seven lots of fishes, New Jersey and Pennsylvania.

H. W. FOWLER and B. W. GRIFFITHS. Collection of fishes, Chester County, Pa.

H. W. FOWLER and H. L. MATHER, JR. Collection of fishes, Pitman, N. J.

H. W. FOWLER and H. L. MATHER, JR. Collection of fishes, Montgomery County, Pa.

H. W. FOWLER and D. N. MCCADDEN. Collection of fishes, Ocean City, N. J.

E. N. FOX. Skate (*Raja ocellata*), Sea Isle City, N. J.

W. J. FOX. Eel Pout (*Zoarces anguillaris*), Sea Isle City, N. J.; Angler (*Lophius*); *Paralichthys dentatus*, Leaming, N. J.; *Echeneis*, *Mugil* and *Leiostomus*, Sea Isle City, N. J.; two Hake (*Merlucius*).

H. W. HAND. One *Sciænops ocellatus*, Cape May, N. J.

H. W. HAND. Sunfish (*Eupomotis*) from salt water, Cape May, N. J.

HEBARD-ACADEMY EXPEDITION OF 1909. Two Flying Fish (*Cypselurus californiensis*), Santa Catalina Island, Cal.

T. D. KEIM and H. W. FOWLER. Several collections of fishes, Pennsylvania and New Jersey.

T. D. KEIM. Small collection of fishes, New York.

DAVID MCCADDEN. Tautog (*Tautogolabrus adspersus*), Ocean City, N. J.; *Paralichthys dentatus*, Ocean City, N. J.

H. L. MATHER, JR. Collection of fishes, Maryland.

H. L. MATHER, JR. *Petromyzon marinus*, Maryland.

DR. R. J. PHILLIPS. Eight collections of fishes, Corson's Inlet, N. J.

DR. R. J. PHILLIPS and H. W. FOWLER. Small collection of fishes, Corson's Inlet, N. J., and Tinicum, Pa.

R. POTTER. Two Swordfish swords, Gloucester, Mass.

PURCHASED. Specimens of *Dasyatis* and *Raja*.

DR. G. S. ROBINSON. *Spheroides maculatus*.

F. M. SIGGINS. *Umbra*, Meadville, Pa.

EUGENE SMITH. One Cut-lip Minnow (*Exoglossum maxillingua*), Hoboken, N. J.

U. S. NATIONAL MUSEUM. Five specimens of *Notropis hudsonius selene*.

E. G. VANATTA. Sunfish (*Enneacanthus*), Chestertown, Md.

R. W. WEHRLE. Collection of fishes, Indiana, Pa.

H. A. WIDDIFIELD. Cow-nosed Ray (*Rhinoptera*), Great Egg Harbor, N. J.

INSECTS.

W. BEUTENMUELLER. Six Cynipidæ, United States.

F. E. BLAISDELL. Eight *Agabus lineolus*, California.

IGNACIO BOLIVAR. Fifty-five Orthoptera, Spain and Africa (exchange).

W. E. BRITTON. Thirty-five insects, United States.

D. M. CASTLE. Eighteen Coleoptera, United States.

A. N. CAUDELL. Three Orthoptera, Georgia and Virginia.

PAUL CHENEY. One Mantis, Florida.

E. T. CRESSON, JR. Ninety-eight Diptera, United States; eleven Lepidoptera, New York; seven Neuroptera, New York; twenty-four Diptera, New York; fifty-eight Hymenoptera, New York; three Odonata, New York; six Orthoptera, New York; fifty insects, California.

W. T. DAVIS. Fourteen Orthoptera, Newfoundland and New Jersey.

H. T. FERNALD. One Orthoptera, British Honduras.

H. W. FOWLER. Four insects, New Jersey.

G. M. GREENE. Thirty-five Hymenoptera, Philadelphia; two hundred and fifty Coleoptera, Germany.

MORGAN HEBARD. Fifty-three Coleoptera, United States; one hundred and twenty-four insects, United States; one hundred and forty Hymenoptera, Michigan; forty-two Orthoptera, Florida; forty-four Orthoptera, Arizona; three hundred and fifty-seven Orthoptera, Western States and Florida; thirty-two Orthoptera, Colorado, Utah and Yellowstone Park.

HEBARD and REHN. One thousand three hundred and seventy-five Orthoptera, Academy Expedition; ten Orthoptera, United States.

F. M. JONES. Thirty-one Orthoptera, Bermuda.

C. W. JOHNSON. Thirty-six Diptera, United States.

R. R. MYERS. Two Hymenoptera, Pennsylvania.

PURCHASED. Five hundred and twenty-one Orthoptera, Tropical America and Africa; two hundred and forty Orthoptera, Para, Brazil; one hundred Orthoptera, Amboina; five hundred and twenty-five Orthoptera, Natal.

J. A. G. REHN. Seven Orthoptera, New Jersey.

S. A. ROHWER. Twenty Hymenoptera, Colorado.

HENRY SKINNER. Twenty-one *Argynnis*, Utah; twenty-one insects, New Jersey; eighteen Lepidoptera, New Mexico; twenty-seven Lepidoptera, North Carolina; thirteen Lepidoptera, California; eight Coleoptera, Pennsylvania; six *Satyrus pegala*, Alabama.

J. B. SMITH. One Orthoptera, New Jersey.

H. A. SURFACE. Two Lepidoptera, Pennsylvania.

J. F. TRISTAN. Twenty-five Orthoptera, Costa Rica.

F. WEIGAND. *Cucullia phila*, Pennsylvania.

H. A. WENZEL. Four *Diplotaxis*, Arizona; two *Cicada*, Philadelphia; two Coleoptera, Canada.

JOHN WOODGATE. Forty-one Hymenoptera, New Mexico; ten Orthoptera, New Mexico; fourteen Neuroptera, New Mexico; twenty-three Diptera, New Mexico; nineteen Coleoptera, New Mexico.

RECENT MOLLUSCA.

JOHN A. ALLEN. Nine lots of Tahitian shells.

JOSHUA BAILY, JR. *Viviparus* from lake in Fairmount Park.

F. C. BAKER. Cotypes of *Lymnæa nashotahensis*; *Pisidium*.

MRS. L. BAKER. *Polygyra uvulifera*, Osprey, Florida.

S. S. BERRY. Lot of Californian freshwater and land shells.

J. CHESTER BRADLEY. Several lots of *Pisidium* from British Columbia.

STEWARDSON BROWN. Eighty-nine trays of Bermudan shells.

L. R. CARY. Five species shells from Delaware and Raritan Canal.

G. H. CLAPP. Five species land shells; cotype of *Holospira bartschi*.

W. H. DALL. Species of *Holospira*, *Epirobia* and *Aperostoma*.

L. E. DANIELS. *Pisidium* and *Physa* from Arizona.

JAMES H. FERRISS. Two hundred and thirty-four lots of land shells from Arizona.

W. H. FLUCK. Sixteen lots of Nicaragua shells.

H. W. FOWLER, R. J. PHILLIPS and H. L. MATHER. Fifteen lots Pennsylvania and New Jersey shells.

W. J. FOX. Series of eighteen marine mollusks from Sea Isle City, N. J.

JOHN H. GREENWOOD. Jug with oysters growing in and upon it.

GEORGE W. HARPER. *Lampsilis parvus* and *tetralasmus*, Dallas, Texas.

MORGAN HEBARD and J. A. G. REHN. Eleven lots of shells from Montana, etc.

J. B. HENDERSON, JR. Sixty-three lots of Cuban land shells.

A. A. HINKLEY. One hundred and ninety-eight lots of Mexican shells.

Y. HIRASE. Eighty-three lots of Japanese shells.

L. A. KEENE. Collection of Unionidæ, Fox River, Ill.

MRS. A. F. KENYON. One hundred and thirty-six lots marine mollusks Australia.

H. W. LERMOND. *Bela* and *Nucula* from Maine.

H. N. LOWE. *Chlorostoma* and Helices from California.

JOHN H. MATTHEWS. *Xesta citrina*, Amboyna.

WILLIAM G. MAZYCK. *Sonorella* from Salt River Mountains, Arizona; *Helicella terrestris*, Charleston, S. C.

CLARENCE B. MOORE. Two hundred and eighty-five lots of shells from Louisiana and Arkansas.

A. E. ORTMANN. Seventy-eight lots Unionidæ, Western Pennsylvania.

W. H. OVER. Twenty-five lots fresh-water shells, South Dakota.

MAJ. J. PEILE. *Helix pisana* and *Zonitoides bermudensis*, Bermuda.

H. A. PILSBRY. One hundred and eighty-six lots Arizona shells; twenty-three species from Monroe County, Pa.

EVAN RHOADS. Twenty-five lots of shells from northern New Jersey.

S. N. RHOADS. Sixty-five lots of shells from Adirondacks, etc.

S. L. SCHUMO. Thirty lots of shells from Santiago, Cuba.

ALVIN SEALE. Fifteen lots of shells from Gulf of Davao, Mindanao.

H. H. SMITH (purchased). Thirty-three lots Alabama shells.

V. STERKI. Five species of Pupillidæ.

WITMER STONE. Six species of land shells from Sullivan County, Pa.

U. S. NATIONAL MUSEUM. *Viviparus* from Mindanao; *Polygyra* from Mexico.

E. G. VANATTA. Six lots of shells, Pennsylvania and New Jersey.

GEORGE WAGNER. *Ianthina exigua*, California.

BRYANT WALKER. Cotypes of *Planorbis bicarinatus royalensis*, *Lymnæa pilsbryana*, *L. petoskeyensis* and *Somatogyrus virginicus*. *Succinea*, *Viviparus*, etc.

R. W. WEHRLE. Three species land shells, Indiana County, Pa.

H. W. WENZEL. *Planorbis bicarinatus*, Scotia Junction, Ont.

J. E. WHITFIELD. *Pœcilozonites*, Bermuda.

A. P. WILLITS. Six lots shells from Santo Domingo.

HELEN WINCHESTER. Seven species land shells, Susquehanna, Pa.

PURCHASED. Four hundred and ninety-four species of exotic mollusks.

WORMS.

STEWARDSON BROWN. Two species of Oligochæta.

DR. H. C. CHAPMAN. *Phyllobothrium*.

ERICH DAECKE. *Ascaris megalocephalus*.

H. W. FOWLER. *Macrobdella decora*.

DR. J. PERCY MOORE. Three hundred and twenty-nine bottles of Annelids; eighteen bottles of Polychæta, California.

WALTER PFEIFFER. Blood worm (*Caudina arenata*), Townsend's Inlet, N. J

DR. H. A. PILSBRY. Two species of *Ascaris* and Oligochæta.

J. A. G. REHN. *Ascaris* sp.

E. G. VANATTA. *Lumbricus*, *Euchytræus* and *Helodrilus*.

U. S. NATIONAL MUSEUM. Fifty-six bottles of Polychæta, Nova Scotia and Labrador.

OTHER INVERTEBRATES.

STEWARDSON BROWN. Two jars of Centipedes, Bermuda.

ARCHIE T. CAMPBELL. Star-fish (*Asterias* sp.), Great Egg Harbor Bay, N. J.

H. W. FOWLER. Collection of Crustacea, Sea Side Park, N. J.

W. J. FOX. Sea-urchin, Sea Isle City, N. J.

H. W. HAND and H. W. FOWLER. Collection of Crustacea, Cape May County, N. J.

MRS. A. F. KENYON. Three jars of invertebrates, Australia; three jars of Crustacea, South Australia.

H. A. PILSBRY. Three invertebrates, New Jersey.

DR. R. J. PHILLIPS and H. W. FOWLER. Small collection of invertebrates, Corson's Inlet, N. J.

PURCHASED. Specimens of *Limulus*.

S. N. RHOADS. One tray of shrimps, Riverside, Cal.

LOUIS H. SCHMIDT. Malformed claw of Crab.

U. S. NATIONAL MUSEUM. Seven trays of barnacles, Labrador; seven jars of barnacles, South America.

R. W. WEHRLE. Crayfish (*Cambarus*), Indiana, Pa.

FOSSILS.

DR. J. C. MERRIAM. Skull of *Canis* sp., California.

ALAN G. SMITH. *Scolithus linearis* in Cambrian quartzite.

DR. STAHLE. Bones of *Belodon*.

JOSEPH WILLCOX. Pliocene Coral, Osprey, Fla.

ETHNOLOGICAL MATERIAL.

MRS. CHARLES SCHAEFFER. Collection of Ainu wearing apparel and household objects; collection of clothing, personal ornaments and baskets from wild tribes of Formosa.

CHAS. E. BROOKS. Lucayan Indian remains.

F. LYNWOOD GARRISON. Specimen of pottery, Colombia.

CLARENCE B. MOORE. A number of specimens from Indian mounds of Southern States, added to the Clarence B. Moore Collection.

PLANTS.

ARNOLD ARBORETUM. One hundred and sixty specimens of shrubs and trees.

EDWIN B. BARTRAM. One hundred and fifty plants, Eastern United States.

FRANK W. and HOWARD W. COMMONS, Albert Commons Herbarium. Plants of Delaware.

DR. C. D. FRETZ. Fifty Cratægus from Bucks County, Pa.

ALFRED S. HAINES. *Camptosorus rhizophyllus* and photograph.

MISS PARMALEE. Collection of sea weeds.

PHILADELPHIA BOTANICAL CLUB. Two thousand one hundred and sixty sheets of local plants.

S. L. SCHUMO. Fifteen West Indian plants.

CHARLES S. WILLIAMSON. Fifty plants.

ACADEMY EXPEDITION TO BERMUDA (STEWARDSON BROWN). Two hundred and fifty Bermudan plants.

HEBARD-ACADEMY EXPEDITION. Twenty Western United States plants.

BOTANICAL SECTION. Purchased the following collections:

W. W. EGGLESTON. Forty Cratægus.

A. A. HELLER. Five hundred California and Nevada plants.

C. G. PRINGLE. One hundred Mexican plants.

MINERALS.

MORRIS BREITHAUPT. Non-pyrites in calcite, Philadelphia.

E. S. FITLER. Gold ore, Nevada.

DANIEL FITLER. Gold-bearing quartz, cinnabar ore and samples of sand

CHARLES D. NORTON. Two specimens of galena.

CHARLES E. RONALDSON. Garnets in schist rock, Maine.

ALBERT STEVENS. Several specimens of local rocks.

F. LYNWOOD GARRISON. Ten minerals, various localities.

A. E. OUTERBRIDGE. Series of ores from Jamaica.

WILLIAM S. VAUX COLLECTION. Seventy-five specimens of minerals, purchased.